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PTO/SB/05 (11-00)
Approved for use through 10/31/2002. OMB 0651-0032

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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1. 53(b))

Attorney Docket No.	NREL 01-36
First Inventor	Shi-you Ding
Title	THERMAL TOLERANT AVICELASE FROM ACIDOTHERMUS CELLULOLYTICUS
Express Mail Label No.	EJ 200217011 US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO: Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

1. ☒ Fee Transmittal Form (e.g., PTO/SB/1 7)
(Submit an original and a duplicate for fee processing)
2. ☒ Applicant claims small entity status.
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 43]
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if Red)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S. C. 1 13) [Total Sheets 2]
5. Oath or Declaration [Total Pages 2]
 - a. ☒ Newly executed (original or copy)
 - b. ☐ Copy from a prior application (37 CFR 1.63 (d))
(for continuations/divisional with Box 1 8 completed)
 1. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 - a. ☐ Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 1. ☐ CD-ROM or CD-R (2 copies); or
 1. ☐ paper
 - c. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☐ Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. ☐ Request and Certification under 35 U.S.C. 122 (b)(2)(13)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☐ Other: _____

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1. 76.,

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: _____ / _____

Prior application information: Examiner _____ Group Art Unit. _____

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion of the disclosure of the prior application is omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

<input checked="" type="checkbox"/> Customer Number or Bar Code Label	23712 (Insert Customer No. or Attach bar code label here)	or <input type="checkbox"/> Correspondence address below
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Name	Paul J. White				
Address	National Renewable Energy Laboratory				
	16 17 Cole Blvd.				
City	Golden	State	CO	Zip Code	80401
Country	USA	Telephone	303/384-7575	Fax	303/384-7499

Name (Print/Type)	Paul J. White	Registration No. (Attorney/Agent)	30,436
Signature	<i>Paul J. White</i>	Date	July 28, 2001

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

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FEE TRANSMITTAL <i>Patent fees are subject to annual revision on October 1. These are the fees effective October 1, 1997. Small Entity payments must be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12 See 37 C.F.R. §§ 1.27 and 1.28.</i>		Complete if Known	
		Application Number	Not Yet Accorded
		Filing Date	
		First Named Inventor	Shi-you Ding
		Examiner Name	
		Group / Art Unit	Not Yet Accorded
TOTAL AMOUNT OF PAYMENT (\$) 1360.00		Attorney Docket No.	NREL 01-36

METHOD OF PAYMENT (check one)		FEE CALCULATION (continued)					
1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to: Deposit Account Number: 14-0460 Deposit Account Name: National Renewable Energy Lab. <input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 C.F.R. §§ 1.16 and 1.17 <input type="checkbox"/> Charge the Issue Fee Set in 37 C.F.R. § 1.1 8 at the Mailing of the Notice of Allowance		3. ADDITIONAL FEES Large Entity Small Entity Fee Fee Fee Fee Code (\$) Code (\$) Fee Description Fee Paid					
2. <input type="checkbox"/> Payment Enclosed: <input type="checkbox"/> Check <input type="checkbox"/> Money Order <input type="checkbox"/> Other		105	130	205	65	Surcharge - late filing fee or oath	
FEE CALCULATION		127	50	227	25	Surcharge - late provisional filing fee or cover sheet.	
1. BASIC FILING FEE Large Entity Small Entity Fee Fee Fee Fee Code (\$) Code (\$) Fee Description Fee Paid		139	130	139	130	Non-English specification	
101 790 201 395 Utility filing fee 355.00		147	2,520	147	2,520	For filing a request for reexamination	
106 330 206 165 Design filing fee		112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
107 540 207 270 Plant filing fee		113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
108 790 208 395 Reissue filing fee		115	110	115	55	Extension for reply within first month	
114 150 214 75 Provisional filing fee		116	400	216	200	Extension for reply within second month	
SUBTOTAL (1) (\$) 355.00		117	950	217	475	Extension for reply within third month	
2. EXTRA CLAIM FEES Total Claims 65 -20**-- 45 X \$ 9 405.00 Independent Claims 18 -3**-- 15 X \$40 600.00 Multiple Dependent		118	1,510	218	755	Extension for reply within fourth month	
*or number previously paid, if greater; For Reissues, see below		128	2,060	228	1,030	Extension for reply within fifth month	
Large Entity Small Entity Fee Fee Fee Fee Code (\$) Code (\$) Fee Description Fee Paid		119	310	219	155	Notice of Appeal	
103 22 203 11 Claims in excess of 20		120	310	220	155	Filing a brief in support of an appeal	
102 82 202 41 Independent claims in excess of 3		121	270	221	135	Request for oral hearing	
104 270 204 135 Multiple dependent claim, if not paid		138	1,510	138	1,510	Petition to institute a public use proceeding	
109 82 209 41** Reissue independent claims over original patent		140	110	240	55	Petition to reive - unavoidable	
110 22 210 11** Reissue claims in excess of 20 and over original patent		141	1,320	241	660	Petition to reive - unintentional	
SUBTOTAL (2) (\$) 1005.00		142	1,320	242	660	Utility issue fee (or reissue)	
		143	450	243	225	Design issue fee	
		144	670	244	335	Plant issue too	
		122	130	122	130	Petitions to the Commissioner	
		123	50	123	50	Petitions related to provisional applications	
		126	240	126	240	Submission of Information Disclosure Stmt	
		581	40	581	40	Recording each patent assignment per property (times number of properties)	
		146	790	246	395	Filing a submission after final rejection (37 CFR 1. 1 29(a))	
		149	790	249	395	For each additional invention to be examined (37 CFR 1. 1 29(b))	
		Other fee (specify) _____					
		Other fee (specify) _____					
		SUBTOTAL (3) (\$) _____					
		*Reduced by Basic Filing Fee Paid					

SUBMITTED BY		Complete (if applicable)	
Typed or Printed Name	Paul J. White, Senior Patent Counsel	Reg. Number	30,436
Signature	<i>Paul J. White</i>	Date	07/27/01
		Deposit Account User ID	

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